



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
Denver, CO 80202-1129  
Phone 800-227-8917  
[www.epa.gov/region8](http://www.epa.gov/region8)

MAR 10 2017

Ref: 8WP-SUI

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Marilyn Rhodes  
WPX Energy  
3500 One Williams Center, MD 38  
Tulsa, Oklahoma 74172-0135

Re: Minor Permit Modification for the Pennington SWD #1 well, EPA Permit ND22335-10898

Dear Ms. Rhodes:

The U.S. Environmental Protection Agency Region 8 has reviewed and approved the submitted step rate test (SRT) for the Pennington SWD #1 injection well. Because the maximum injection pressure attained during the test did not exceed the permitted maximum allowable injection pressure (MAIP) of 1340 psig, and because no fracture parting was observed in the data up to the maximum attained test injection pressure of 1,233 psig, the MAIP is hereby reduced to 1,233 psig.

WPX Energy (WPX) may request an increase of the MAIP at any time based on the results of a SRT demonstrating the fracture parting pressure of the injection zone formation, and ideally measuring downhole pressure in addition to surface injection pressure during the test. Please be aware that WPX should obtain prior written approval to temporarily exceed the permitted MAIP during any test or well stimulation activity, and this is typically handled via a brief email exchange.

If you should have any questions regarding this permit modification, please feel free to contact Bill Gallant of my staff at (303) 312-6455 or [gallant.william@epa.gov](mailto:gallant.william@epa.gov).

Sincerely,

Darcy O'Connor  
Assistant Regional Administrator  
Office of Water Protection